

CZECHOSLOVAKIA

V. GOLDA, J. PETREK and F. LISONEK, Laboratory of Higher Nervous Activity of the Medical Faculty of Palacky University (laborator VNC [Vyssej Nervovnj Cinnosti] lekarske fakulty PU [Palackeho University], Chief (vedouci) Prof Dr Jan HRBEK, DrSc; and Department of Anatomy (Ustav normalni anatomie), Head Prof Dr J. ZDRAVY; Olomouc.

"The Extent of the So-Called Motor Cortex in the Posterior Sigmoid Gyrus in the Cat."

Prague, Activitas Nervosa Superior, Vol 5, No 1, Jan 63; pp 57-59.

Abstract: Histologic and electrophysiologic studies demonstrating that the sulcus postcrucatus in the posterior sigmoid gyrus forms the border between sensory and motor cortical areas in cats. Photomicrograph, photograph of outside of area; oscillographic patterns; 2 Soviet and 3 Western references.

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HUNGARY

GOLDA, V., PETREK, J., LISONEK, P.; Palacky University School of Medicine, Laboratory of Higher Nervous Activity, and Department of Anatomy [original language version not given], Olmouc, Czechoslovakia.

"The Extent of the Motor Cortex in the Posterior Sigmoid Gyrus in the Cat."

Budapest, Acta Physiologica Academiae Scientiarum Hungaricae, Vol XXIV, No 1, 1963, pages 95-100.

Abstract: [English article, authors' English summary] In cat, the border-line between the area of the motor and the sensory cortex, in the region of the posterior sigmoid gyrus, has been found to be formed by the postcruciate sulcus, in agreement with the opinion of V.M.Svetukhina. The results obtained indicate that the different cytoarchitectonial regions of the posterior sigmoid gyrus correspond to the evoked potentials with different latencies of the positive phases. It was found by the authors that during stimulation of the cutaneous and muscle branches of the radial nerve, in the area between the cruciate sulcus and the postcruciate sulcus, the latency of the positive phase is considerably longer than in the region which is situated occipitally to the postcruciate sulcus. In some of the preparations a special form of evoked potential has been observed at the site of the post-cruciate sulcus. 3 Eastern European, 9 Western references.

1/1

PETRZEK, I. [Petrek, I.]; GOLDA, V.; LISONEK, P.,

Relation between the latent period of the evoked potentials in
gyrus suprasylvicus medius and gyrus lateralis pars anterior
and the intensity of peripheral excitation. Biul. eksp. biol.
i med. 55 /i.e. 56/ no.10 т6-10 0*63 (MIRA 17:8)

1. Iz laboratorii vysshey nervnyy deyatel'nosti (dir. - chlen-
korrespondent AN Chekhoslovatskoy Sotsialisticheskoy Respubliki
prof. Ya. Crbek) i kafedry anatomii chaloveka (zav. - prof.
I. Zrzavy) meditsinskogo fakul'teta Universiteta imeni Palatskogo,
Olomouts, Chekhoslovatskaya Sotsialisticheskaya Respublika.

GOLDA,V.; PETREK,J.; LISONEK,P.

Short-latency cortical evoked potentials in cats with implanted electrodes. Activ. nerv. sup. 6 no.1:45-47 '64

The morphological and electrophysiological characteristic of gyrus sigmoideus posterior of the cat's brain. Ibid:47-49

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GOLDA, V.; PETREK, J.; LISONEK, P.

Somatotopic projection of the extremities into the motor cortex
of the cat. Acta nerv. sup. (Praha) 6 no.4:397-399 '64.

1. Laborator vyssi nervove cinnosti a anatomicky ustav lekarske
fakulty Palackeho University, Olomouc.

L 12970-66

ACC NR: AP6005646

SOURCE CODE: CZ/0079/65/007/002/0154/0155

23B

AUTHOR: Golda, V.; Petrek, J.; Lisonek, P.

ORG: Laboratory of Higher Nervous Activity, Medical School, Palacky University, Olomouc

TITLE: Extraprimary evoked potentials in cerebral cortex of the cat upon optical stimulation [This paper was presented at the Third Interdisciplinary Conference on Experimental and Clinical Study of Higher Nervous Functions held in Marianske Lazne from 19 to 23 October 1964.]

SOURCE: Activitas nervosa superior, v. 7, no. 2, 1965, 154-155

TOPIC TAGS: cerebral cortex, experiment animal, light biologic effect, EEG, electrophysiology

ABSTRACT: Light stimulation was carried out with flashes of 0.25 msec at one sec. intervals. 4 cats with 22 epidurally implanted electrodes were used in the experiments. E.P. were recorded on an oscilloscope. EEG was continually traced. Primary EP in the gyrus lateralis had a latency of 16 msec. Short-latency optical potentials can be traced in cortical regions, including the gyrus moideus anterior and posterior, and in the gyrus lateralis anterior. Dispersed elements of the optical analyzer are found in all parts of the cerebral cortex. In extraprimary cortical responses, the axoapico-dendritic transsynaptic transmission predominates over the axo-somatic one. In the center cortical field the axo-somatic

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ACC NR: AP6005646

transmission is accentuated. Mechanism of cooperation of analyzers and the
restitution of sensoric functions after partial cortex ablation are discussed.
Orig. art. has: 1 figure. [JPRS]

SUB CODE: 06 / SUBM DATE: none / ORIG REF: 001 / OTH REF: 007

Card 2/2 HU

L 12967-66

ACC NR: AP6005647

SOURCE CODE: CZ/0079/65/007/002/0156/0157
121B

AUTHOR: Petrek, J.; Golda, V.; Lisonek, P.

ORG: Laboratory of Higher Nervous Activity, Department of Anatomy, Medical Faculty,
Palacky University, Olomouc

TITLE: Cortical potentials induced by acoustical stimulation in cats in chronic experiments [This paper was presented at the Third Interdisciplinary Conference on Experimental and Clinical Study of Higher Nervous Functions held in Marianske Lazne from 19 to 23 October 1964]

SOURCE: Activitas nervosa superior, v. 7, no. 2, 1965, 156-157

TOPIC TAGS: cerebral cortex, electrophysiology experiment animal, acoustic biologic effect

ABSTRACT: Experiments were carried out on freely moving cats with chronically implanted recording epidural electrodes. Even in areas outside the primary projection area, responses of short latency induced by acoustic stimulation can be recorded. The responses are formed by low-voltage positivity, followed by negativity with larger amplitude. Latency depends on the shape of EP. The amplitude of individual components and the shape of EP are influenced by the overall condition of the animal. Some part of the afferent fibers comes into the area of analysors from the subcortical structures. Short latencies of extraprimary EP indicate that the afferent pathways are oligosynaptic. Orig. art. has: 1 figure. *[JPRS]*

SUB CODE: 06 / SUBM DATE: none / OTH REF: 005 / SOV REF: 003
Card 1/1 *4*

L 31086-66

ACC NR: AT6022824

SOURCE CODE: HU/2505/65/028/003/0277/0286

26

AUTHOR: Golda, Veroslav; Petrek, J.; Petrzhek, I.; Lisonek, P.

24

ORG: Laboratory of Higher Nervous Activity, Palacky University, Olomouc, Czechoslovakia; Department of Anatomy, Palacky University, Olomouc, Czechoslovakia

B+1

TITLE: Somatotopical afferent projection of the limbs into the motor cortex in the cat

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SOURCE: Academia scientiarum hungaricae. Acta physiologica, v. 28, no. 3, 1965, 277-286

TOPIC TOPICS: cerebral cortex, cat, neurophysiology

ABSTRACT: Somatotopical afferent projections not only to the sensory areas but also to the motor cortex were revealed by chronic experiments in the cat. Cortical responses were evoked by electric stimulation of the skin of the contralateral limb in the waking state and under chloralose or pentobarbital anesthesia. On stimulation of the forelimb, primary evoked potentials dominated in the somatotopical areas, while a stimulation of the hindlimb resulted in amplitudes which were higher in the delayed component than in the early ones. These findings suggest that these cortical evoked responses are mediated via pathways with different oligo- and multisynaptic afferent proportions. Cytological analyses of the foreleg and hindleg areas of the motor cortex

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0806

L 31086-66

ACC NR: AT6022824

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support the assumption of Tarnecki and Konorski (1963) that the sensory area for the forelimb is larger than generally believed and partially overlaps the motor cortex. The authors thank Prof. K. Lissak and Assoc. Prof. E. Grastyan for interest and encouragement throughout this study and helpful suggestions during the course of experiments on freely moving animals. Orig. art. has: 4 figures. [Orig. art. in Eng.] [JPRS]

SUB CODE: .06 / SUBM DATE: 05Aug64 / ORIG REF: 004 / OTH REF: 013

Card 2/2 CC

CZECHOSLOVAKIA

GOLDA, V.; PETREK, J.; LISONEK, P.; Laboratory of HNA, Medical Faculty, Palacky University, Olomouc; Institute of Anatomy, Medical Faculty, Palacky University, Olomouc. Original version not given.

"Different Cortical Projection of the Fore and Hind Limbs in the Cat."

Prague, Activitas Nervosa Superior, Vol 8, No 2, Jun 66, pp 180-181

Abstract: Morphological differences in cortical potentials evoked by the stimulation of the fore and hind limbs are discussed. Experiments conducted on 6 cats with implanted epidural electrodes distributed on the cortex surface are described. Some electrodes were also located in the depth of the sulcus cruciatus. EP were recorded both in resting wakeful state, and after Nembutal or chloralose administration. Oligosynaptic cortical afferentation in the pericruciate area is marked more for the forelimb than for the hind limb. Differences in the cytological structure show that in the fore limb the fourth layer is differentiated, while in the area of the hind limb this layer is absent. 1 Figure, no references. Submitted at the 4th Interdisciplinary Confer. of Exper. and Clin. Study of Higher Nerv. Functions at Mar. Lazne, 12-15 Oct 65.

Article is in English.

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CZECHOSLOVAKIA

PETREK, J.; GOLDA, V.; LISONEK, P.; Laboratory of HNA and Institute of Normal Anatomy, Medical Faculty, Palacky University, Olomouc. Original version not given.

"Effect of Nembutal and Chloralose on Electrical Responses to Acoustic Stimulation in Various Cortical Areas of Cat Brain."

Prague, Activitas Nervosa Superior, Vol 8, No 2, Jun 66, pp 188-190

Abstract: Influence of the drugs on positive and negative oscillations recorded by implanted electrodes is described. Characteristic changes of the shape of evoked responses caused by administration of nembutal or chloralose show that more afferent systems participate in the origin of these responses, and that the activity of some of these systems is not always affected in the same way by nembutal and chloralose. 1 Figure, no references. Submitted at the 4th Interdisciplinary Conf. of Exper. and Clin. Study of Higher Nerv. Functions at Mar. Lazne, 12-15 Oct 65. Article is in English.

1/1

CZECHOSLOVAKIA

GOLDA, V.; BEYER, L.; ULLSPERGER, P.; PETREK, I.; LISONEK, P.;
Laboratory of HNA, Medical Faculty, Palacky University, Olomouc;
Institute of Anatomy, Medical Faculty, Palacky University, Olo-
mouc. [Orig. version not given].

"Laterality in the Formation of Conditioned Gripping Reflexes in
Cats."

Praze, Activitas Nervosa Superior, Vol 8, No 2, Jun 66, pp 182-183

Abstract: The formation of conditioned reflex laterality de-
pends on the conditions of the experimental situation. During the
formation of the reflex 20 pairs of conditioned and unconditioned
stimuli were presented. at 1-2 minute intervals during each session.

A marked difference between responses of the dominant and non-
dominant forelegs in the percentage of correct reactions was found.
In spontaneous responses in laterality tests, laterality is more
marked than in the complex situation of conditioned reflexes. With
progressive training in laterality tests, it becomes more pronounced;
in conditioned reflexes it disappears. No references. Submitted
at the 4th Interdisciplinary Confer. of Exper. and Clin. Study of
Higher Nerv. Functions at Mar. Lazne, 12-15 Oct 65. Article is in
English.

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LISONEK, Petr

Myoarchitectonics and morphology of the kidney pelvis. Cesk. morf.
11 no.1:28-36 '63.

1. Anatomicky ustav lekarske fakulty U.P. v Olomouci Prednosta: doc.
MUDr. J. Zrzavy.

(KIDNEY PELVIS)

LISONEK, P.A.

LISONEK, P. AND SERY, Z.

"Resection of Lung Tissue in Chronic Suppurating Conditions in Children." (University Surgical Clinic, Olmuetz).

SO: Ped. listy, Prague, Vol.8, (1953), No. 6, pp. 313-316.

LISONEK, Petr A. (Olomouc, Mozartova 15.)

Perforatio fossae oleocrani. Acta chir. orthop. traum. cech. 26 no.1:
30-35 Feb 59.

I. Chirurgicka klinika PU v Olomouci, prednosta prof. dr Vlad. Rapant a
Ustav normalni anatomie PU v Olomouci, prednosta doc. dr. J. Zrzavy.

(HUMERUS, fract.
supracondylar fract. causing perf. of fossa oleocrani (Cz))

LISONEK, Petr A.

On the problem of supracondylar humerus fractures in children.
Rozhl.chir. 39 no.6:407-412 Je '60.

1. Chirurgicka klinika PU v Olomouci, prednosta prof. dr. Vlad.
Bapant.

(HUMERUS fract & disloc.)

ZAPLETALEK, M.; HAJCMAN, L.; LISONKOVA, D.; VOBORSKA, D.; KOMENDA, S.

Some aspects of the treatment of depressive conditions with tofranil
and nozinan. Activ. nerv. sup. 3 no.2:232-233 '61.

1. Psychiatricka klinika PU, Ustav lekarske fyziky PU v Olomouci.

(DEPRESSION ther) (PSYCHOPHARMACOLOGY)

LISONKOVA, D.; ZAPLETALOVA, J.; KUBANEK, L.

Preliminary communication on the effect of some further psychopharmacal
in neurotic changes of pre-start conditions. Activ. nerv. sup. 4 no.2:
212-213 '62.

1. Psychiatricka klinika lekarske fakulty Palackeho university v
Olomouci, KTV prirodovedecky fakulty v Olomouci.

(PSYCHOPHARMACOLOGY) (SPORTS)

LISOPADOV, M. Ye., inzh.

Hydraulic activization of binding materials. Stroi. mat. 6
no.3:37-38 Mr '60. (MIRA 13:6)
(Binding materials)

LISOTSA, M.P. [Lysytsia, M.P.]; MALINKO, V.N. [Malynke, V.M.]

Temperature dependence of the infrared absorption of carbon
tetrachloride in a gaseous state [with summary in English].
Ukr. fiz. zhur. 3 no.6:773-778 N-D '58. (MIRA 12:6)

I.Kiyevskiy gosudarstvennyy universitet.
(Carbon tetrachloride) (Absorption of light)

MASLENNIKOVA, G.N., doktor tekhn. nauk; LISOV, A.A.

Automatic recording of rheological curves for porcelain bodies.
Stek. i ker. 22 no.7:24-27 Jl '65. (MIRA 18:9)

1. Moskovskiy inzhenerno-ekonomicheskiy institut imeni Ordzhonikidze.

LISOV, A.A.

Electronic measuring device for the evaluation of the elastoplastic properties of ceramic materials. Sbor. trud. MISI no.50:61-63 '65.
(MIRA 18:12)

"APPROVED FOR RELEASE: 06/20/2000

CIA-RDP86-00513R000930120004-2

LOGGINOV, G.I.; LISOV, A.A.

Determining the reduced significance of the limit shear stress
of ceramic materials. Sbor. trud. MISI no.50:76-79 '65.
(MIRA 18:12)

APPROVED FOR RELEASE: 06/20/2000

CIA-RDP86-00513R000930120004-2"

LISOV, A.A., MASLENNIKOVA, G.N., doktor tekhn.nauk

Elastic, plastic, and viscous properties of porcelain batches.
Stek. i ker. 23 no.1:32-34 Ja '66.

(MIRA 19:1)

1. Moskovskiy inzhenerno-ekonomicheskiy institut imeni
Ordzhonikidze.

"APPROVED FOR RELEASE: 06/20/2000

CIA-RDP86-00513R000930120004-2

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61472-6
ASSOCIATION: AP-02062

ASSOCIATION: none

APPROVED FOR RELEASE: 06/20/2000

CIA-RDP86-00513R000930120004-2"

KARPOV, V.L.; BREGER, A.Kh.; YEROSHOV, M.Ye.; DROZDOV, V.Ye.; LISOV, G.N.;
STOYENKO, S.G.; TORGOVITSKIY, D.M.; VAYNSHTEYN, B.I.; SYRKUS, N.P.

Large-scale radiation-chemistry plant with irradiator made from
spent nuclear fuels. Atom. energ. 15 no.4:302-308 O '63.

(MIRA 16:10)

L 24538-66 EWT(m)/EPF(n)-2

ACC NR: AP6006339

SOURCE CODE: UR/0413/66/000/002/0061/0062

AUTHORS: Lisov, G. N.; Drozdov, V. Ye.; Bykhovskiy, A. V.

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13

ORG: none

TITLE: A device for storing ionizing radiation sources.¹⁹ Class 21, No. 177998SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 2, 1966,
61-62TOPIC TAGS: ionizing radiation, radiation protection, storage
device

ABSTRACT: This Author Certificate presents a device for the storing sources of ionizing radiation. This device includes a cylindrical ampule, an adapter ring, and a stopper (see Fig. 1). The design prevents the radioactive contamination of the liquid in the storage reservoir and maintains the normal thermal conditions of the radiation source. A chamber in the device forms a hydraulic separating seal between the walls of the ampule. This design insures normal levels of protection outside the liquid storage reservoir when working with the radiation source. A secondary container is filled with a circulating liquid and is

Card 1/2

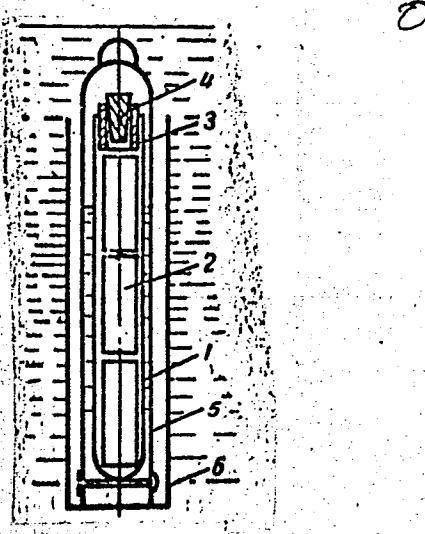
UDC: 621.039.584

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ACC NR: AP6006339

Fig. 1. 1 - ampule (first container);
2 - source; 3 - transition ring;
4 - stopper; 5 - cylindrical
chamber; 6 - secondary container.



mounted in the device. Orig. art. has: 1 figure.

SUB CODE: 18/ SUBM DATE: 04May64

Card 2/2 ULR

KHRAMKIN, M.F., inzh.; LISOV, G.P., inzh.

Use of water jet propellers. Sudostroenie 28 no.1:81-82
(MIRA 16:7)
Ja '62.

(Ship propulsion)

NARUSBAYEV, Aleksandr Abdugaparovich; LISOV, Gennadiy Petrovich;
DROBLENKOV, V.F., kand. tekhn. nauk, retsenzent;
KAMESHKOV, K.A., nauchn. red.; MISHKEVICH, G.I., red.

[Secret of the loss of the "Tresher" Leningrad, Sudostroenie, 1964. 97 p.
(MIRA 17:12)]

LISOV, I., general-leytenant

A member of a landing force, a model of discipline. Komm. Vooruzh.
Sil. 46 no. 21:25-30 N '65 (MIRA 19:1)

"APPROVED FOR RELEASE: 06/20/2000

CIA-RDP86-00513R000930120004-2

LISOV, I., general-mayor, master sporta, sud'ya mezhdunarodnoy kategorii

Five circles instead of one. Kryl. rod. 14 no.10:14-16
0 '63. (MIRA 16:11)

APPROVED FOR RELEASE: 06/20/2000

CIA-RDP86-00513R000930120004-2"

"APPROVED FOR RELEASE: 06/20/2000

CIA-RDP86-00513R000930120004-2

LISOV, I., general-major

Transport of troops by air. Vper. zmen. 40 no.10-34-35 D-64.
(MORA 17:12)

APPROVED FOR RELEASE: 06/20/2000

CIA-RDP86-00513R000930120004-2"

"APPROVED FOR RELEASE: 06/20/2000

CIA-RDP86-00513R000930120004-2

LISOV, I.

Among friends. Kryl. rod. 16 no.11:14-15 N '65.
(MIRA 18:12)

APPROVED FOR RELEASE: 06/20/2000

CIA-RDP86-00513R000930120004-2"

LISOV, Ivan Ivanovich, master parashutnogo sporta SSSR; POZDNYAYEV, K.I.,
REMKOV, RUDOLF, M.Z., podpolkovnik; MEDNIKOVA, A.B.,
tekhnicheskiy redaktor

[Winged infantry; stories, sketches, recollections] Krylataia
pekhota; rasskazy, ocherki, vospominaniia. Moskva, Voen.
izd-vo M-va obor. SSSR, 1956. 197 p. (MIRA 10:4)
(Parachutists)

LISOV I.

LISOV, I.. polkovnik

Airborne landings and means of defense against them. Voen.znan.33
no.11:35-36 N '57. (MIRA 10:12)
(Airborne troops) (Military education)

LISOV, I., general-major

Tactical aerial landings. Voen. znan. 34 no.12:37-38 D '58.
(MIRA 12:2)
(Airborne troops)

LISOV, I.,master sports

Training of parachute troops abroad; based on materials from
the foreign press. Kryl.rod. 10 no.2:30-31 F '59.
(MIRA 12:5)
(Parachute troops--Education and training)

"APPROVED FOR RELEASE: 06/20/2000

CIA-RDP86-00513R000930120004-2

LISOV, I., general-mayor, master sporta

Crop of records. Kryl.rod. 13 no.1:10-12 Ja '62.
(MIRA 15:2)
(Parachuting)

APPROVED FOR RELEASE: 06/20/2000

CIA-RDP86-00513R000930120004-2"

LISOV, I., general-major, master sports SSSR

Will, resourcefulness, accuracy. Starsh.-serzh. no.3:12-13 Mr '62.
(MIRA 15:4)

(Parachuting)

LISOV, I.

Dress the sky with flags. Kryl. rod. 15 no.5:8-9 Kr '64.

(MIRA 18:8)

1. Predsedatel' Farashyutnogo komiteta Federatsii aviationsionnogo sporta SSSR.

LISUV, L. V.

Translation from: Refractory journal, Metallurgia, 1959, No. 5, p. 57 (USSR)

ABSTRACT:

Refractory Journal, Metallurgia, 1959, No. 5, p. 57 (USSR)
Title: Melting Chrom-Nickel Steel in Open Hearth Furnaces With the
Use of Clotted Nickel Monoxide
Periodical: Stal'noye Promst' (Sovietian Steel), edn., edn., Moscow,
1959, No. 2 - 3, pp. 25 - 28

ABSTRACT:

Chotted Ni monoxide was used instead of granulated Ni in open hearth furnaces or the blast furnace. Chotted Ni monoxide was added to the charge during the refining stage in an amount of 1,000 to 1,000 kg per ton. The melting process was characterized by intense boiling, particularly during the first 10 minutes after addition of Ni monoxide. Assimilation of Ni, already 5 minutes after its addition, was 90.5% on the average; the rate of burning-out of C was 0.38% per hour. If Ni monoxide was added to the refining pool, the melting time was reduced by 33 minutes.

307137-595-5863

Melting Chrom-Nickel Steels in Open Hearth Furnaces With the Use of Clotted Nickel Monoxide
Nickel monoxide and the bubbling and final stages did 28 minutes. If the monoxide was added to the charge, the melting time did not change. The addition of Ni monoxide instead of granulated Ni did not affect the mechanical properties, the degree of burning-out, the microstructure, the abrasiveness and coke sensitivity of the steel. The prime cost of the steel was reduced.

S.T.

Card 2/2

OSIPOV, V.P., inzh.; YEFIMOV, V.A., kand.tekhn.nauk; MATEVOSYAN, P.A., inzh.;
DANILIN, V.I., inzh.; LAPSHOVA, M.P., inzh.; SELIVANOV, V.M., inzh.;
LISOV, I.V., inzh.

Casting of high-alloy steels. Stal' 21 no.5:415-418 My '61.
(MIRA 14:5)
(Steel ingots)

L130V, 1 V

3
S/133/61/000/005/004/009
A05/A133

AUTHORS: Osipov, V.P., Engineer; Yefimov, V.A., Candidate of Technical Sciences; Matevosyan, P.A., Engineer; Danilin, V.I., Engineer; Lashova, M.P., Engineer; Selivanov, V.N., Engineer; Lisov, I.V., Engineer.

TITLE: Pouring of high-alloy steels

PERIODICAL: Stal', no. 5, 1961, 415 - 418

TEXT: When stainless steel is poured, the surface layers of the ingot are deteriorated by folds, blisters and pock marks, which are mainly the result of oxides and gases in the metal. To avoid such defects, tests were carried out with pouring low-melting synthetic slags on the metal surface in the ingot mold. The hot- liquid slag decreases heat losses through radiation and checks the oxidation of the metal. The main purpose of the tests was to determine the effect of various factors on the formation of defects and the most suitable composition of synthetic slags to be used in this process. The slags were melted in a 20-ton single-phase arc furnace with conductive graphite bottom. The low-melting constituents (fluorite, cryolite) were charged at first, on the bottom, next the

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S/133/61/000/005/004/009
AC54/A133

Pouring of high-alloy steels

other materials. The melting of a 50-kg batch of synthetic slag took 1 - 1 1/2 h. The slag was poured into a ladle and from this into the mold. When the metal level in the mold had risen to about 150 - 200 mm, about 15 - 16 kg slag was poured on its surface. In the tests X23H18 (Kh23N18) and 1X18N9T (1Kh18N9T) steel was bottom-cast into 4.1-ton ingots. Simultaneously with pouring into uncoated molds with synthetic slag, metal was also poured into lacquer-coated molds for comparison. Four types of slags were used with the following composition:

group	CaO	Na ₂ O	SiO ₂	Al ₂ O ₃	CaO	MnO
I	35-40	-	35-40	10-15	10-15	-
II	33,3	33,3	-	-	33,3	-
III	-	-	86	-	29	18
IV	-	-	75	-	23	-

The best results were obtained with Group-I slags which are light grey-bluish when solid; when liquid, they humidify the metal very thoroughly. During smelting Kh18N9T steel, the slag composition changed as follows (numerator: composition before smelting; denominator: after smelting):

ao.	CaO	MnO	Na ₂ O	Cr ₂ O ₃	V ₂ O ₅	Al ₂ O ₃	F	Na
	35,4	37,12	0,31	0,35	0,48	0,11	11,42	14,53
	32,72	35,99	1,50	0,17	1,74	0,97	13,16	13,40

It can be seen that synthetic slag adsorbs chrome and titanium oxides, which is promoted by the presence of CaO, moreover by CaF₂, Na₃AlF₆ (cryolite) and Na₂SiO₃.

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S/133/61/000/005/004/009
A054/A133

Pouring of high-alloy steels

soluble glass). The adsorption of chrome and titanium oxides takes place also very rapidly. When 1Kh18N9T steel is poured into the mold to half its capacity, the titanium oxide content of slag increased from 0.6 to 2.5%, the chrome oxide content from 0.03 to 0.8%, while, when pouring was finished, the content of the above oxides increased to 3 and 1%, respectively. No folds were observed in the ingots which were poured under Group-I slags. The ingot surface was covered with a thin slag layer (like "enamel"), the thickness of which between ingot and mold-wall on the edges was 0.3 - 0.5 mm, on the angles 3 mm. The test ingots had a flawless, smooth surface, while in the check-ingots the usual folds in the upper part and blisters in the lower part were found. Due to the synthetic slag layer, the intensity of heat removal from the ingot surface decreased 1.4 times; the shrinkage stresses in the ingot case also became lower. The intensity of shrinkage decreased and, moreover, the liquid slag flowed into the pores of the mold, hereby eliminating the delay of shrinkage and promoting the contraction of the ingot along the mold wall. The mechanical properties of synthetic slag-treated steels are partly equal to those of the conventional steels (strength limit and relative elongation), in some respects they are even better. In the test-specimens of synthetic slag-treated 1Kh18N9T and X18H12M2T (Kh18N12M2T) steels no intercrystalline corrosion could be observed during the tests. There are 2 figures.

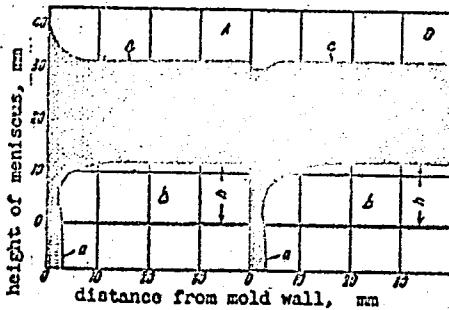
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Pouring of high-alloy steels

2 tables and 3 Soviet-bloc references.

Figure 2: Effect of coating on the forming of the external ingot surface when pouring under synthetic slag.
A - without coating; B - the mold is graphite-coated (a - solidifying steel; 2 - liquid steel; 3 - liquid slag).

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A054/A133



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S/137/61/000/012/018/149
A006/A101

AUTHORS: Osipov, V. P., Lisov, I. V., Nakonechnyy, N. F.

TITLE: Teeming of high-alloy steel grades under flux

PERIODICAL: Referativnyy zhurnal: Metallurgiya, no. 12, 1961, 56, abstract
12V339 (V sb. "Vopr. proiz-va-stali", no. 8, Kiyev, AN UkrSSR,
1961, 88- 95)

TEXT: Experiments on the use of synthetic slags during teeming, were made with X 23 H 18 (Kh23N18), 1X 18H 9T (1Kh18N9T), OX 18H 9T (OKh18N9T), and X 18 H 12M 3T (Kh18N12M3T) steels melted in a 20-ton electric furnace. The metal was cast through 2 syphons in 4.1-ton ingots. For comparison the ingots of syphon 1 were cast by conventional technology into molds greased with varnish and with the use of wood frames; ingots of bottom plate 2 were cast under synthetic slag into ungreased molds. Liquid synthetic slag (15 - 16 kg) was poured into the mold on the open metal surface during its ascent in the mold to 150 - 200 mm height. Synthetic slags (melted in a single-phase arc furnace with a conducting bottom) of 2 groups were employed: 1) silicon-free fluxes containing in %: Na₃AlF₆ 20 - 80; CaF₂ 35 - 60, NaF 70, CaC 20 - 30, and 2) fluxes with SiO₂

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Teeming of high-alloy steel grades under flux

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20 - 50% and Al_2O_3 5 - 15% and with admixture of CaO , CaF_2 , MnO , MgO , Na_3AlF_6 and NaF . The former did slightly affect the formation of the crust and their use is difficult due to the considerable liberation of F-vapors. When testing the latter, good results were obtained during teeming with the use of flux containing in %: SiO_2 28 - 30; CaO 10 - 15; CaF_2 40 - 45; Al_2O_3 10 - 15. In this slag Cr. and Ti. oxides are sufficiently well diffused. Ingots cast under this flux did not show turnings of the crust. The surface quality of ingots and rolled metal was considerably improved. The amount of defects on ingots cast under flux was 1.7 - 2.1 times less than on conventional ingots.

P. A.

[Abstracter's note: Complete translation]

Card 2/2

MATEVOSYAN, P.A.; DANILOV, V.I.; LAPSHOVA, M.P.; KISELEV, A.A.; LISOV, I.V.;
VOLYANSKIY, V.M.

Improving the quality of blooming mill ingots. Stal' 23 no.12:1086-
1087 D '63. (MIRA 17:2)

1. Volgogradskiy metallurgicheskiy zavod "Krasnyy Oktyabr".

L12547 R.F.
USSR.

Anhydrite from Krasnogvard pyrites deposit in the Urals.
V. G. Maksenkov and K. F. Lisyov. Trudy Gorno-Ged.
Inst. Akad. Nauk S.S.R., 1958, Edin. 20. Mineralog.
Sbornik No. 2, 138-9 (1953). A vein of anhydrite, 15-20
cm. in width and 150-200 m. in length, was opened at a
depth of 304 m. in quartz-sericite shale in the Krasnogvard
zone. The crystals are light-gray to rose, sp. gr., 2.986 ±
0.001. Polysynthetic twins are frequent. The ns are:
 γ 1.614 ± 0.003; β 1.570 ± 0.008; α 1.569 ± 0.003, 2 V
42°, r < v, optically pos. Spectral analysis shows appreci-
able Sr, with Cu, Al, Fe, Si, Mg, and Mn present in trace
amounts. Chem. analysis shows: CaO 40.04; SrO 0.11; SO₃
58.41; and H₂O 0.46%. The anhydrite formed as a result
of regional metamorphism of pyrites deposits. M. S.

LISOV, L.A.

Conducting practical work of students in agriculture on the collective farm. Biol. v shkole no.2:48 Mr-Ap '58. (MIRA 11:4)

1. Inspektor Artinskogo rayona Sverdlovskoy oblasti.
(Arti District--Vegetable gardening--Study and teaching)

LISOV, L.I.

Expediency of the removal of a foreign body at a late date.
Zdrav.Belor. 5 no.7:61 J1 '59. (MIRA 12:9)

1. Zaveduyushchiy Lovzhanskim vrachebnym uchastkom Vitebskoy
oblasti. (FOREIGN BODIES (SURGERY))

GURICH, N.A.; LISOV, V.I.; PLOTNIKOV, A.Ya.; KOMSHILOV, N.F.;
VOROB'YEVA, Ye.Ya.; BALETOV, A.N.; PETRONIO, V.N.

Butts of pine logs is a valuable raw material. Bum. prom.
36 no.10:16 0 '61. (MIRA 15:1)

1. Tsentral'nyy nauchno-issledovatel'skiy lesokhimicheskiy
institut (for Gurich, Lisov, Plotnikov). 2. Karel'skiy filial
AN SSSR (for Komshilov). 3. Segezhskiy kombinat (for Vorob'yeva,
Balletov, Petronio).

(Pine)
(Gums and resins)

ATAMANCHUKOV, G.D.; GOLOVIN, A.I.; LISOV, V.I.; SEDEL'NIKOV, A.I.

Obtaining terpineol from the waste waters of rosin extraction
plants. Gidroliz. i lesokhim. prom. 16 no.4:9-11 '63.
(MIRA 16:7)

(Industrial wastes—Purification)
(Terpineol)

LISOV, V.I.

Theory of the extraction of resinous substances from high-rosin wood. Gidroliz. i lesokhim.prom. 17 no.2:4-6 '64. (MIRA 17:4)

1. Tsentral'nyy nauchno-issledovatel'skiy lesokhimicheskiy institut.

LISOV, V.I.

Theory of the extraction of resinous substances from stumpwood.
Sbor. trud. TSNILKHI no.15:43-48 '63.

Studying the process of the extraction of resinous substances
from stumpwood. Ibid.:49-55

(MIRA 17:11)

LISOV, V. M.: Master Tech Sci (diss) -- "Investigation of the operation of four-joint drainage pipes under the gravel in automobile highways". Moscow, 1959. 21 pp (Min Higher Educ USSR, Moscow Automobile and Road Inst), 150 copies (KL, No 18, 125)

S/124/63/000/001/060/080
D234/D308

AUTHOR:

Liisov, V.M.

TITLE:

Design of a hinge ring in an elastic medium

PERIODICAL:

Referativnyy zhurnal, Mekhanika, no. 1, 1963, 50,
abstract 1V366 (Sb. Tr. Voronezhsk. inzh.-stroit.
in-t, 1961, no. 8, 87-99)

TEXT:

The author describes in detail the solution of the problem of stresses in a hinge ring placed in a medium elastic in the sense of bed coefficient. For the general case the solution is obtained in the form of Fourier series. An example of design is given for the case of a four-hinge ring.

Abstracter's note: Complete translation

Card 1/1

LISOV, V.N.

Properties of mixed solutions of manganese and ammonium chlorites. Ukr. khim. zhur. 28 no.1:32-38 '62.

(MIRA 16:8)

1. Dnepropetrovskiy khimiko-tehnologicheskiy institut.

LISOV, V.N.

Determination of oxidized manganese and chlorine in hydrochloric acid solutions. Ukr. khim. zhur. 29 no. 4:449-453 '63.
(MIRA 16:6)

1. Dnepropetrovskiy khimiko-tehnologicheskiy institut.
(Manganese--Analysis)
(Chlorine--Analysis)

LISOV, V.N.; PLAKHOTNIK, V.N.; STENDER, Y.V.

Anodic evolution of chlorine in the electrolysis of hydrochloric acid in the presence of ammonium and manganese salts. Zhur.prikl. khim. 37 no.7:1498-1504 J1 '64. (MIRA 18:4)

1. Dnepropetrovskiy khimiko-tehnologicheskiy institut.

LISOV, V.N.

Chemical interaction in the system $MnCl_2 - NH_4Cl - H_2O$. Ukr.khim.zhur.
29 no.1:12-15 '63. (MIRA 16:5)

1. Dnepropetrovskiy khimiko-tehnologicheskiy institut
(Manganese chlorides) (Ammonium chloride)

LISOV, V. N. and KOLESNIKOV A. M.

"Volvulus in large cattle," Trudy Buryat-Mongol. Zoovet. in-ta, Issue 4, 1948, p.46-50

SO: U-3850, 16 June 53. (Letopis 'Zhurnal 'nykh Statey, No.5, 1949).

S/073/63/029/001/002/009
A057/A126

AUTHOR: Lisov, V.N.

TITLE: On the chemical reaction in the system $MnCl_2-NH_4Cl-H_2O$

PERIODICAL: Ukrainskiy khimicheskiy zhurnal, v. 29, no. 1, 1963, 12 - 15

TEXT: The chemical reaction in the system $MnCl_2-NH_4Cl-H_2O$ was investigated in the Dnepropetrovskiy khimiko-tehnologicheskly institut (Dnepropetrovsk Institute of Chemical Technology) by the methods of electrical conductivity and viscosity of isomolar mixtures of concentrated solutions. These methods were used for investigations of $MnCl_2$ and NH_4Cl solutions in an earlier work (Ukr. khim. zhur., v. 28, 1962, 32) and the data obtained were applied to the present work. The investigated system is of interest since it is used as electrolyte in the production of manganese. It is demonstrated on diagrams of the deviation ($\Delta \mu$) between molar conductivity calculated by the additivity rule and the experimentally determined values that the effect of ionic strength must be considered in such systems. Maxima on these curves indicate, in accordance with literature data, the formation of the complex $NH_4Cl \cdot MnCl_2$. Dissociation of the latter increases

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On the chemical reaction in the system

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with decreasing total concentration of the system. Results obtained by studying deviations of the logarithm ($\log \eta$) of the viscosity from additivity proved the observations made in conductivity studies.

ASSOCIATION: Dnepropetrovskiy khimiko-tehnologicheskiy institut (Dnepropetrovsk Institute of Chemical Technology)

SUBMITTED: June 16, 1961

Card 2/2

VAVILOVA, A.S., inzh.; LISOV, V.P.; ROKHLIN, I.A.; TROYANOV, A.V.; DOBRO-SMYSLOV, V.I., inzh., red.; STUPIN, A.K., red.izd-va; KORABLEVA, R.M., red.izd-va; TIKHANOV, A.Ya., tekhn.red.

[Catalog of parts of calculating perforator machines with 80 column outfit] Katalog detalei schetno-perforatsionnykh mashin 80-kolonnogo komplekta. Moskva, Gos.nauchno-tekhn.izd-vo mashinostroit.lit-ry, 1959. 163 p. (MIRA 12:12)

1. Nauchno-issledovatel'skiy institut schetnogo mashinostroyeniya.
(Calculating machines)

TOKAREV, Sergey Pavlovich; LISOV, V.Ye., red.; GERASIMOVA, Ye.S.,
tekhn.red.

[Intensified industrial development of the eastern regions
of the U.S.S.R.] Uskorennoe razvitiye promyshlennosti vostochnykh
raionov SSSR. Moskva, Gosplanizdat, 1950. 116 p.
(MIRA 13:2)

(Russia--Economic policy)

KUTAF'YEV, S.A., kand. geogr. nauk; LISOV, V.Ye., red.

[The Kazakh S.S.R.] Kazakhskaya SSR; lektsii, prochitанные
v Vysshei partiinoi shkole pri TsK KPSS. Moskva, Vysshiaia
partiinaia shkola, 1953. 92 p. (MIRA 16:8)
(Kazakhstan--Economic geography)

LISOV, V.Ye.

We can and should pass Baku. Neftianik 1 no.11:27-28 N '56.
(MLRA 9:12)

1. Buril'shchik neftepromyslovoego upravleniya Pervomayneft'.
(Oil well drilling)

OPATSKIY, L.V.; FEYGIN, Ya.G., prof., red.; LISOV, V.Ye., red.;
GERASIMOVA, Ye.S., tekhn.red.

[Distribution of food industries in the U.S.S.R.] Razmeshchenie
pishchevoi promyshlennosti SSSR. Moskva, Gosplanizdat, 1958.
353 p.
(MIRA 11:12)

1. Chlen-korrespondent AN Ukrainskoy SSR (for Feygin).
(Food industry)

BOR, Mikhail Zakharovich. Prinimali uchastiye: USPENSKAYA, Ye.P.; BALASHOVA, A.A.; ABRYUTINA, M.S.; ZHUKOV, V.N.; YAKUNINA, N.I.; VOROB'YEV, V.P.. STRUMILIN, S.G., akademik, red.; LISOV, V.Ye., red.; KHOLIN, I.A., red.; GERASIMOVA, Ye.S., tekhn.red.

[Planned balance of the national economy of the U.S.S.R.; practice in working out the balance] Planovyi balans narodnogo khoziaistva SSSR; opyt razrabotki. Pod red. S.G.Strumilina. Moskva, Gosplan-izdat, 1959. 158 p. (MIRA 13:6)

1. Pododel balansa narodnogo khozyaystva Gosplana SSSR (for Uspenskaya, Balashova, Abryutina, Zhukov, Yakunina, Vorob'yev). (Russia--Economic policy)

BELIK, Yuriy Andreyevich; kand.ekonom.nauk; LISOV, V.Ye., red.; Gerasimova,
Ye.S., tekhn.red.

[State plan and balance sheet of the national economy of the
U.S.S.R.] Gosudarstvennyi plan i balans narodnogo khoziaistva
SSSR. Moskva, Gosplanizdat, 1960. 88 p. (MIRA 13:4)
(Russia--Economic policy)

KISTANOV, Viktor Vasil'yevich; LISOV, V.Ye., red.; PONOMAREVA, A.A.,
tekhn.red.

[Siberia's future; expansion of the economy during the seven-year
plan] Budushchee Sibiri; razvitiye khoziaistva v semiletke.
Moskva, Gosplanisdat, 1960. 108 p. (MIRA 14:3)
(Siberia--Economic conditions)

DANILOV, A.D.; MUKHIN, G.I.; LENOV, M.; KISTANOV, V.; KOPYLOV, N.;
KOSTEMNIKOV, V.; MOSHKOVA, N.; LISOV, V.Ya... red.; KHOLIN,
I.A., red.; PONOMAREVA, A.A., tekhn.red.

[Distribution of branches of the national economy of the U.S.S.R.]
Razmeshchenie otrassei narodnogo khoziaistva SSSR. Pod red. A.D.
Danilova i G.I.Mukhina. Moskva, Gosplanizdat, 1960. 331 p.
(MIRA 13:11)

1. Moscow. Gosudarstvennyy ekonomicheskiy institut. 2. Kafedra
ekonomicheskoy geografii Moskovskogo gosudarstvennogo ekonomi-
cheskogo instituta (for all, except Kholin, Ponomareva).
(Geography, Economic)

SOLOMIN, Vladimir Vasil'yevich; LISOV, V.Ye., red.; PONOMAREVA, A.A.,
tekhn. red.

[Transportation planning in the U.S.S.R.] Planirovanie transporta v
SSSR. Moskva, Izd-vo ekon. lit-ry, 1961. 126 p. (MIRA 14:11)

1. Glavnyy spetsialist po voprosam transporta i svyazi Gosudarstvennogo
planovogo komiteta Soveta Ministrov SSSR (for Solomin).
(Transportation)

KUROTCHENKO, Vasiliy Stepanovich; OSADA, Petr Akimovich; BEREZNOY, N.I.,
spets. red.; KALMYK, V.A., red.; LISOV, V.Ye., red.; KHOLIN, I.A.,
red.; GERASIMOVA, Ye.S., tekhn. red.

[Methodology for calculating the productive capacity of an industrial
enterprise] Proizvodstvennaya moshchnost' promyshlennogo predpriatija;
metodika rascheta. Moskva, Gos.izd-vo planovo-ekon. lit-ry, 1961.
279 p.

(Industrial capacity)

SMEKHOV, Boris Moiseyevich; LISOV, V. Ya., red.; PONOMAREVA, A.A.,
tekhn. red.

[Planning capital investments] Planirovaniye kapital'nykh
vlozhenii. Moskva, Gosplanizdat, 1961. 333 p. (MIRA 14:4)
(Capital investments)

STRUMILIN, Stanislav Gustavovich, akademik; LISOV, V.Ye., red.; KHOLIN, I.A.,
red.; GERASIMOVA, Ye.S., tekhn. red.

[Problems of socialism and communism in the U.S.S.R.] Problemy
sotsializma i kommunizma v SSSR. Moskva, Izd-vo ekon. lit-ry,
1961. 414 p.
(Communism) (Economics) (MIRA 14:10)

OLEYNIK, I.P., kand. ekon. nauk, nauchn. sotr.; VOINOV, A.M., nauchn. sotr.; SEMENOV, I.I., nauchn. sotr.; PLAKSIN, S.V., nauchn. sotr.; KACHALOV, I.P., nauchn. sotr.; SEMENOVA, L.S., nauchn. sotr.; STOROZHEV, I.V., nauchn. sotr.; GERTSOVICH, G.B., nauchn. sotr.; SERGEYEV, V.P., nauchn. sotr.; ALIKHODZHICH, A., nauchn. sotr.; LISOV, V.Ye., red.; NIKOLAYEV, D.N., red.; PONOMAREVA, A.A., tekhn. red.

[International socialist division of labor] Sotsialisticheskoe mezhunarodnoe razdelenie truda. Pod red. I.P.Oleinika. Moskva, Izd-vo ekon. lit-ry, 1961. 350 p. (MIRA 14:11)

1. Akademiya nauk SSSR. Institut ekonomiki mirovoy sotsialisticheskoy sistemy. 2. Institut ekonomiki mirovoy sotsialisticheskoy sistemy AN SSSR (for all except Lisov, Nikolayev, Ponomareva).
(Communist countries—Division of labor)

PROBST, Abram Yefimovich, prof.; LISOV, V.Ye., red.; BORISOVSKAYA, M.A., red.; GERASIMOVA, Ye.S., tekhn. red.

[Distribution of socialist industry; theoretical studies] Raz-meshchenie sotsialisticheskoi promyshlennosti; teoreticheskie ocherki. Moskva, Izd-vo ekon. lit-ry, 1962. 339 p.
(MIRA 15:5)

(Industries, Location of)

PETROCHENKO, P.F., kand.ekon.nauk; VORONIN, Ye.P.; ROZHKOVA, V.V.; POPKOV, L.V.; PRIGARIN, A.A.; KAPLAN, I.I.; KYSS, V.M.; EKHIM, P.E.; KULACIN, N.N.; VASIL'YEV, V.F.; LISOV, V.Ye., red.; PONOMAREVA, A.A., tekhn. red.

[Organization of work and establishing work norms in industrial enterprises] Organizatsiya i normirovanie truda na promyshlennyykh predpriatiakh. Pod obshchey red. P.F. Petrochenko. Moskva, Izd-vo ekon.lit-ry, 1962. 285 p. (MIRA 15:4)

1. Moscow. Nauchno-issledovatel'skiy institut truda.
(Production standards)

OMAROVSKIY, Aleksandr Grigor'yevich; ZAV'YALOVA, A.N., red.; LISOV,
V.Ye., red.; GERASIMOVA, Ye.S., tekhn. red.

[Development and distribution of the machinery industry in the
U.S.S.R.] Razvitie i razmeshchenie mashinostroeniia v SSSR. Mo-
skva, Ekonomizdat, 1962. 236 p. (MIRA 15:7)
(Machinery industry)

GERASHCHENKO, Boris Sergeyevich; ; GERASHCHENKO, Vladimir Sergeyevich;
KORPIENKO, A.P., red.; LISOV, V.Ye., red.; GERASIMOVA, Ye.S.,
tekhn. red.

[Problems in the economics of U.S.S.R. industries at the present
stage of the building of communism] Voprosy ekonomiki promyshlennosti SSSR na sovremenном etape kommunisticheskogo stroitel'stva.
Moskva, Ekonomizdat, 1962. 355 p. (MIRA 15:8)
(Russia—Industries)

BUDOVAY, G.T.; MARTINKOV, I.P.; SHKOL'NIKOV, B.Ya.; GRIGOR'YEV, Ye.A.; SOLOMIN, V.V.; REZNIK, A.I.; IGNATOVICH, A.A.; OZORNOK, A.K.; GILINSKOV, E.B.; ZHIRNOV, V.Ye.; NEMENSKIY, M.I.; VOLKOV, H.I., red.; VOSKANYAN, G.G., red.; KASIMOVSKIY, Ye.V., red.; FOMIN, A.Ya., red.; LISOV, V.Ye., red.; PONOMAREVA, A.A., tekhn. red.

[The district worker's manual; reference and methodological aid for economic and cultural planning in an administrative district] Spravochnik raionnogo rabotnika; spravochno-metodicheskoe posobie po planirovaniyu khoziaistvennogo i kul'turnogo stroitel'stva v administrativnom raione. Moskva, Ekonomizdat, 1962. 439 p. (MIRA 15:7)

(Russia--Economic policy--Handbooks, manuals, etc.)

NOVIKOV, Ignatiy Trofimovich; VORONOV, V.V., red.; LISOV, V.Ye.,
red.; GERASIMOVA, Ye.S., tekhn. red.

[Growth of power engineering and the creation of a
consolidated electric -power system in the U.S.S.R.] Razvitiye
energetiki i sozdanie edinoi energeticheskoi sistemy SSSR.
Moskva, Ekonomizdat, 1962. 240 p. (MIRA 15:11)
(Electric power)
(Interconnected electric utility systems)

ROZENFEL'D, Shmul' Leybovich; LISOV, V. Ye., red.; MISHNAYEVSKAYA,
G. V., mladshiy red.; PONOMAREVA, A.A., tekhn. red.

[Determining the levels of regional industrial development]
Opredelenie urovnei razvitiia promyshlennosti v raionakh.
Moskva, Ekonomizdat, 1963. 139 p. (MIRA 16:3)
(Russia--Industries)

ZAYTSEVSKIY, Igor' Yur'yevich; RADOMYSEL'SKIY, Mark Il'ich;
LISOV, V.Ye., red.; TARASOVA, T.K., mlad. red.;
PONOMAREVA, A.A., tekhn. red.

[Analysis of the carrying out of a plan for developing the
local economy and culture of a region] Analiz vypolneniya
plana razvitiia mestnogo khoziaistva i kul'turnogo stroitel'-
stva raiona. Moskva, Ekonomizdat, 1963. 105 p.
(MIRA 16:4)

(Economic policy) (Regional planning)

ALAMPIYEV, Petr Martynovich, prof.; LISOV, V.Ye., red.; TARASOVA, T.K., mladshiy red.; PONOMAREVA, A.A., tekhn. red.

[Economic zoning of the U.S.S.R.] Ekonomicheskoe raionirovaniye SSSR. Moskva, Ekonomizdat, Book 2. 1963. 247 p.
(MIRA 16:5)
(Economic zoning)

BREYEV, M.V., doktor ekon. nauk; SILIN, V.A.; BYCHEK, N.R., kand. ekon. nauk; GREEISOV, G.I., kand. ekon. nauk; ITKINA, A.S., kand. ekon. nauk; KOKOREV, M.V., kand. ekon. nauk; KOMIN, A.N., kand. ekon. nauk; LIPSITS, V.B., kand. ekon. nauk; OZORNOV, A.K., kand. ekon. nauk; ORLOV, N.M., st. prepod.; SEREDNITSKAYA, Ye.K., kand. ekon. nauk; SMEKHOV, B.M., doktor ekon. nauk; FEL'D, S.D., kand. ekon. nauk; LISOV, V.Y., red.; TARASOVA, T.K., mlad. red.; GERASIMOVA, Ye.S., tekhn. red.

[Planning the national economy of the U.S.S.R.] Planirovaniye narodnogo khozyaistva SSSR. Moskva, Ekonomizdat, 1963. 621 p.
(MIRA 16:8)

1. Moscow. Institut narodnogo khozyaistva.
(Russia--Economic policy)

URINSON, Mikhail Solomonovich; LISOV, V.Ye., red.; PONOMAREVA, A.A.,
tekhn. red.

[Economic planning in the Union Republics] Planirovaniye na-
rodnogo khoziaistva v soiuznykh respublikakh. Moskva, Eko-
nomizdat, 1963. 317 p. (MIRA 16:12)
(Russia--Economic policy)

БОР, Mikhail Zakharovich, doktor ekon. nauk; ASTAKHOV, V.D.,
red.; LISOV, V.Ye., red.

[Essays on the methodology and methods of planning] Ocherki
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Abstract : Experimental investigations have shown that females of Phlebotomus caucasicus (young and with ripe eggs) are subject to a heightened infection by a vector of infantile leishmaniosis. A weak susceptibility of females Ph. papatasii to Leishmania infantum exists at all stages of the gonotropic cycle. Consequently the cause is not the characteristics of the gonotropic state, but some other factors; possible the biochemistry of the alimentary canal.

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